ABSTRACT

An omnidirectional scanning system and method are provided for reading at least one optical code within a field of view of the scanning system and oriented in an orientation included in a set of multiple orientations. The omnidirectional scanning system includes at least one processor for operating the scanning system in at least two modes including a first mode which is a non-restricted omnidirectional scan mode for reading the at least one optical code oriented in any orientation of the set of multiple orientations, and a second mode which is a restricted omnidirectional scan mode for reading the at least one optical code oriented in an orientation of a selectable reduced set of the set of multiple orientations. The method includes the steps of operating the system in a mode selected from the at least two modes including the first mode and the second mode.